

TABLE 2.—Free-air resultant winds (meters per second) based on pilot balloon observations made near 7 a. m. (E. S. T.) during May, 1932—Continued

[Wind from N=360; E=90, etc.]

	Los Angeles, Calif. (217 meters)		Medford, Oreg. (410 meters)		Memphis, Tenn. (85 meters)		New Orleans, La. (25 meters)		Oakland, Calif. (8 meters)		Oklahoma City, Okla. (402 meters)		Omaha, Nebr. (299 meters)		Phoenix, Ariz. (356 meters)		Salt Lake City, Utah (1,294 meters)		Sault Ste. Marie, Mich. (198 meters)		Seattle, Wash. (14 meters)		Washington, D. C. (10 meters)	
	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity	Direction	Velocity
Surface.....	108	0.6	300	0.4	78	0.4	55	1.4	239	2.0	154	2.3	146	1.8	99	1.6	147	2.6	61	0.6	161	0.5	331	1.0
500.....	107	1.2	303	0.8	129	1.8	106	3.4	268	2.3	167	3.8	197	4.2	208	0.4	229	0.7	243	0.2	304	3.7	317	4.0
1,000.....	357	1.9	318	0.9	240	1.5	132	1.0	319	4.5	190	6.3	235	6.8	262	2.4	271	3.8	219	1.2	317	4.0	308	4.4
1,500.....	291	2.0	199	0.8	258	2.5	139	0.6	321	4.3	221	5.0	252	6.3	247	1.8	188	4.2	282	5.8	212	1.7	302	6.4
2,000.....	289	3.9	249	1.4	256	1.8	200	1.8	311	4.5	258	3.6	261	6.0	214	2.9	181	3.9	277	5.6	240	1.4	291	7.3
2,500.....	288	2.8	257	3.5	282	1.8	332	0.9	319	5.0	298	2.4	272	6.0	201	4.2	207	3.0	299	6.4	229	3.3	292	8.6
3,000.....	294	4.1	269	3.9	331	1.7	310	0.8	322	6.8	314	2.9	284	7.1	209	6.2	228	4.0	314	8.2	236	4.8	325	5.8
4,000.....			279	6.1	341	5.5	286	3.4					275	6.7	215	7.9	257	4.8	330	13.6				

RIVERS AND FLOODS

By MONTROSE W. HAYES

[In charge River and Flood Division]

In May there were floods of minor importance in the Potomac, James, and Savannah Rivers along the Atlantic slope, the Barren, Green, and Pigeon Rivers in the Ohio Basin and in some of the rivers of New Mexico, Idaho, and Washington. There was a moderate flood in the Colorado River, caused by melting snow; it did not cause any loss of consequence. Heavy rains in Nebraska on the night of the 6th-7th caused a flood in the Elkhorn River, a small tributary to the Platte. No flood service is maintained on the Elkhorn.

Table of flood stages in May, 1932
[All dates in May unless otherwise specified]

River and station	Flood stage	Above flood stages—dates		Crest	
		From—	To—	Stage	Date
ATLANTIC SLOPE DRAINAGE					
Potomac:	<i>Feet</i>			<i>Feet</i>	
Harpers Ferry, W. Va.....	18	13	14	20.0	13
Sycamore Island, Md.....	10	13	15	14.6	14
James: Columbia, Va.....	10	3	4	13.9	3
		12	15	12.2	13
Savannah: Ellenton, S. C.....	14	4	5	15.3	5
MISSISSIPPI SYSTEM					
Ohio Basin					
Barren: Bowling Green, Ky.....	20	1	2	23.0	1
Green: Lock 4, Woodbury, Ky.....	33	1	2	34.6	2
Pigeon: Newport, Tenn.....	6	1	1	8.0	1
Atchafalaya Basin					
Atchafalaya: Atchafalaya, La.....	22	Dec. 27	5	24.9	Mar. 3-5
WEST GULF OF MEXICO DRAINAGE					
Pecos: Fort Sumner, N. Mex.....	5	11	12	5.5	12
Rio Grande:					
Espanola, N. Mex.....	7	16	29	7.8	20-22, 24, 25
San Marcial, N. Mex.....	7	22	28	7.3	23
GULF OF CALIFORNIA DRAINAGE					
North Fork: Paonia, Colo.....	9	12	20	9.7	13
		22	22	9.2	22
Gunnison: Delta, Colo.....	9	12	26	10.2	23
Green: Elgin, Utah.....	12	24	27	12.3	27
Colorado:					
Fruita, Colo.....	12	24	24	12.0	24
Parker, Ariz.....	7	1	(1)	12.0	30-31
PACIFIC SLOPE DRAINAGE					
Columbia Basin					
Clearwater: Kamiah, Idaho.....	12	8	23	15.6	14
Columbia:					
Marcus, Wash.....	24	7	(1)	31.8	27
Vancouver, Wash.....	15	10	(1)	21.6	25

Continued into June.

The passing of the Atchafalaya River below the flood stage on May 5 brought an end to the numerous and serious floods which prevailed in the tributary streams of the lower Mississippi Basin during the preceding five months.

Statement of flood losses

[The losses in the lower Mississippi Basin were in the winter and early spring; the others were in May]

MISSISSIPPI SYSTEM

Missouri Basin-Elkhorn River in Nebraska

Tangible property totally or partially destroyed.....	\$25, 400
Prospective crops.....	2, 500
Livestock and other movable property.....	1, 100

Ohio Basin-Barren River in Kentucky

Prospective crops.....	5, 000
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Lower Mississippi Basin-Tallahatchie and Yazoo Rivers

Tangible property totally or partially destroyed.....	750, 000
Matured crops.....	500, 000
Livestock and other movable property.....	25, 000
Suspension of business, including wages of employees....	175, 000

Atchafalaya Basin

Tangible property, totally or partially destroyed.....	6, 210
Matured crops.....	1, 725
Prospective crops.....	49, 450
Livestock and other movable property.....	500

WEST GULF OF MEXICO DRAINAGE

Rio Grande River in New Mexico

Tangible property, totally or partially destroyed.....	10, 000
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GULF OF CALIFORNIA DRAINAGE

Colorado River

Tangible property, totally or partially destroyed.....	250
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Estimated value of property saved by warnings:

Barren River in Kentucky.....	1, 000
Green River in Kentucky.....	100
Tallahatchie and Yazoo Rivers in Mississippi, in the winter and late spring.....	50, 000